

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A heat exchanger of a ventilating system, comprising:

heat exchange plates which are laminated at a predetermined interval and divide an outdoor air path through which outdoor air passes and an indoor air path through which indoor air passes;

a plurality of embossing protrusions which are formed on the outdoor air path between two adjacent heat exchange plates, for generating turbulence in the outdoor air which flows in the outdoor air path, the embossing protrusions being located on one of the two adjacent heat exchange plates without being in contact with the other one of the two adjacent heat exchange plates, an entire surface of another one of the two adjacent heat exchange plates in the outdoor air path being substantially flat and facing the embossing protrusions; and

a corrugation plate which is positioned in the indoor air path, for securing a space through which the indoor air passes.

2. (Original) The exchanger of claim 1, wherein a partition for preventing inflow of indoor air into the outdoor air path is attached on both side surfaces of the outdoor air path.

3. (Original) The exchanger of claim 1, wherein the embossing protrusions are formed in a convex shape having a predetermined height on the upper surface of the heat exchange plate.

4. (Original) The exchanger of claim 1, wherein the embossing protrusions of a first row are aligned at a predetermined interval at the front of the heat exchange plate, embossing

protrusions of a second row are aligned at a predetermined interval at the rear of the embossing protrusions of the first row, the embossing protrusions of the first row and the second row are sequentially aligned, and the embossing protrusions of the second row are respectively positioned in spaces among the embossing protrusions of the first row.

5. (Original) The exchanger of claim 1, wherein the outdoor air passing through the outdoor air path and the indoor air passing through the indoor air path which flow being crossed with each other.

6. (Currently Amended) A heat exchanger of a ventilating system, comprising:

a heat exchange plate for dividing an outdoor air path through which outdoor air passes and an indoor air path through which indoor air passes, which are laminated at a predetermined interval;

a corrugation plate which is attached on the outdoor air path for securing a space through which the outdoor air passes; and

a plurality of embossing protrusions which are positioned in the indoor air path between two adjacent heat exchange plates, for generating turbulence in the indoor air flowing in the indoor air path, the embossing protrusions being located on one of the two adjacent heat exchange plates without being in contact with the other one of the two adjacent heat exchange plates, an entire surface of another one of the two adjacent heat exchange plates in the indoor air path being substantially flat and facing the embossing protrusions.

7. (Original) The exchanger of claim 6, wherein partitions for preventing inflow of outdoor air to the indoor air path are respectively disposed on both side surfaces of the indoor air path.

8. (Currently Amended) The exchanger of claim 6, wherein the embossing protrusion is formed in a convex shape having a predetermined height on a ~~a~~an upper surface of the heat exchange plate.

9. (Original) The exchanger of claim 6, wherein the embossing protrusions of a first row are aligned at a predetermined interval at the front of the heat exchange plate, the embossing protrusions of a second row are aligned at a predetermined interval at the rear of the embossing protrusions of the first row, the embossing protrusions of the first and second rows are sequentially aligned, and the embossing protrusions of the second row are positioned in spaces among the embossing protrusions of the first row.

10. (Original) The exchanger of claim 6, wherein the outdoor air passing through the outdoor air path and the indoor air passing through the indoor air path which flow being crossed with each other.

11. (Currently Amended) A heat exchanger of a ventilating system, comprising:

heat exchanging plates which are laminated at a predetermined interval for dividing an outdoor air path through which outdoor air passes and an indoor air path through which indoor air passes;

a plurality of outdoor embossing protrusions which are formed on the outdoor air path between two adjacent heat exchange plates, for generating turbulence in the outdoor air which flows in the outdoor air path, the outdoor embossing protrusions being located on one of the two adjacent heat exchange plates without being in contact with the other one of the two adjacent heat exchange plates, the one of the two adjacent heat exchange plates outside of an area occupied by the outdoor embossing protrusions being substantially flat, an entire surface of another one of the two adjacent heat exchange plates the outdoor air path being substantially flat and facing the outdoor embossing protrusions; and

a plurality of indoor embossing protrusions which are formed in the indoor air paths, for generating turbulence in the indoor air which flows in the indoor air path.

12. (Previously Presented) The exchanger of claim 1, wherein the one of the two adjacent heat exchange plates outside of an area occupied by the embossing protrusions is substantially flat.

13. (Cancelled)

14. (Currently Amended) The exchanger of claim 6, wherein the one of the two adjacent heat exchange plates outside of an area occupied by the embossing protrusions is substantially flat.[]]

15-16. (Cancelled)